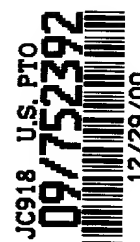
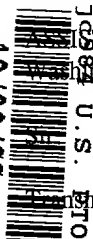


12/29/00



12/29/00 U.S. PTO
 PATENT COMMISSIONER FOR PATENTS
 Washington, DC 20231

Submitted herewith for filing is the patent application of

Inventor(s): Tim Olson, Ulf Osterberg, Dennis Healy, and Seung Choi

For: ELECTROMAGNETIC MATCHED FILTER BASED MULTIPLE ACCESS COMMUNICATIONS SYSTEMS

Also enclosed are:

☒ 7 Sheets of drawings

☐ Recordation Form Cover Sheet - Patents Only and an Assignment of the invention to _____

☒ Postcard and Express Mail Certification

The filing fee has been calculated as shown below:

| | NO. OF CLAIMS FILED | | NO. OF CLAIMS FROM BASIC FEE | NO. OF EXTRA CLAIMS |
|--|---------------------------|---|---------------------------------------|---------------------------|
| TOTAL | 37 | - | 20 = | 17 |
| INDEP. | 3 | - | 3 = | 0 |
| First presentation of multiple dependent claim | | | | |

SMALL ENTITY

| RATE | BASIC FEE \$355. |
|---------|------------------------|
| x 9 = | \$ |
| x 40 = | \$ |
| + 135 = | \$ |

OTHER THAN
SMALL ENTITY

| RATE | BASIC FEE \$710. |
|---------|------------------------|
| x 18 = | \$306 |
| x 80 = | \$ |
| + 270 = | \$ |

OR

TOTAL FEE \$ _____ OR \$1016.00

Checks in the amount of \$621.00, \$40.00 and \$355.00 are is enclosed to cover the official filing fee for a large entity.

A check in the amount of \$ _____ is enclosed to cover the official filing fee for a small entity.

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Please charge my Deposit Account No. 13-3405 in the amount of \$ _____. A duplicate copy of this sheet is enclosed.

In regard to this communication, the Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR §1.16 and any additional patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.

During the pendency of this application, the Commissioner is hereby authorized to charge payment of any filing fees for presentation of extra claims under 37 CFR §1.16 and any patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Paul A. Taufer, Reg. No. 35,703
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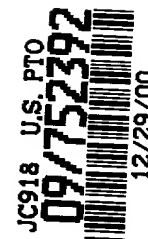
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 (215) 563-1810

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 36th Floor
Examiner : 1600 Market Street
Serial No. : Philadelphia, PA 19103
Filed : Herewith
Inventors : Tim Olson
: Ulf Osterberg
: Dennis Healy
: Seung Choi
Title : ELECTROMAGNETIC MATCHED
: FILTER BASED MULTIPLE ACCESS
: COMMUNICATIONS SYSTEMS

Docket: 1575-00

Dated: December 29, 2000



Box Patent Application

Assistant Commissioner for Patents
Washington, DC 20231

EXPRESS MAIL CERTIFICATION

37 C.F.R. §1.10

Express Mail Label No.: EL618696543US

Date of Deposit: December 29, 2000

Description of Contents: Postcard, \$621.00 Check, \$40.00 Check, \$355.00 Check, Application Transmittal Letter, in duplicate, Specification including Claims and Abstract, and 7 Sheets of Drawings.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to **Box Patent Application**, Assistant Commissioner for Patents, Washington, DC 20231.

Darleen J. Scholl

(Typed or printed name of person mailing paper or fee)

A handwritten signature in cursive script that reads "Darleen J. Scholl".

(Signature of person mailing paper or fee)